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Division of Forensic Services



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Forensic Diagramming
&

Animation

*Crime Scene Services
Command*

Services Provided

- High quality black & white and color 2D diagrams
- 3D diagrams
- 2D & 3D animations



Screenshot from 3D Body Chart Animation illustrating eight gunshot wounds

Types of Demonstrative Evidence

- Static Images
- Illustrative Animation
- Tutorial Animation



Screenshot from 3D Body Chart Animation illustrating one deflecting gunshot wound

Minimum Guidelines for Case Consideration

- ***Relevance*** Must assist the factfinder in understanding evidence or resolving a disputed issue
- ***Foundation*** Based on relevant evidence; Does not mislead or confuse the jury
- ***Authentication*** Evidence/Data collected accurately; Data input accurately; Software/Hardware working properly; Output is a fair and accurate representation of analytical results
- ***Approval*** Final approval will be determined by the FDA section

Objectives of Demonstrative Evidence

- Illustrate Verbal Testimony
- Comprehension of Facts and Evidence
- Visualization of an Event
- Show the Precise Timing of an Event
- Provide Different Perspectives
- Clarify Complex Information
- Create a “unity of perception” amongst the jury
- Obtain more convictions



Screenshot from 3D Animation illustrating body position in a negligence case; Victim died in a nursing home

We live in a visual society. The ability to visually illustrate to a judge and jury what happened at a crime scene accompanied by testimony is extremely powerful.

Computer generated demonstrative evidence has the ability to virtually transport you to the scene without leaving the courtroom.

The Illinois State Police (ISP) is only one of a handful of law enforcement agencies in this country using this new computer technology.

The Forensic Diagramming and Animation section produces the visual presentations from the facts and evidence provided by ISP Crime Scene Investigators and Crash Reconstruction Officers.

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Forensic Diagramming & Animation

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Software Programs Used for Diagrams and Animations

3D Studio Max 2.5

Character Studio 2.0

Poser 3

AutoCAD 14 Architectural
Desktop

PhotoShop 5

Premiere 5

Microsoft Office 97